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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/578,540	05/04/2006	Leon Axel	35836/US/2-475396-00176	9473	
200.0	7590 03/07/2007 HITNEVIID		EXAM	INER	
DORSEY & WHITNEY LLP INTELLECTUAL PROPERTY DEPARTMENT 250 PARK AVENUE NEW YORK, NY 10177			GLENN, KIMBERLY E		
			ART UNIT	PAPER NUMBER	
NEW TORK, I	(1 10177		2817		
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MOI	NTHS	03/07/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/578,540	AXEL, LEON				
Office Action Summary	Examiner	Art Unit				
	Kimberly E. Glenn	2817				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	e correspondence addre	ss			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply built apply and will expire SIX (6) MONTHS and a specification to become ABANDO	ION. e timely filed rom the mailing date of this comm DNED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	_•					
	action is non-final.					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11	, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-21 is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-5,7-11,13-17 and 19-21</u> is/are reject	ted.		•			
7) Claim(s) <u>6,12 and 18</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	г.					
10)⊠ The drawing(s) filed on <u>04 May 2006</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Of	ice Action or form PTO-	152.			
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)□ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119	9(a)-(d) or (f).				
1.☐ Certified copies of the priority documents	s have been received					
2. Certified copies of the priority documents		cation No				
3.⊠ Copies of the certified copies of the prior			age			
application from the International Bureau	•		• .			
* See the attached detailed Office action for a list	of the certified copies not rece	eived.				
Attachment(s)	- -	(070,440)				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Ll Interview Sumn Paper No(s)/Ma					
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/17/06.	5) Notice of Inform 6) Other:	al Patent Application				

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

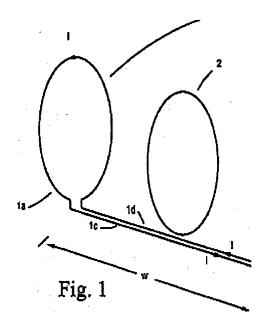
Claims 1-5, 7-11, 13-17, 19, 20 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Su et al US Patent 6,493,572.

Su et al discloses in figure 1 a solenoid array coil for use in magnetic resonance imaging system comprising a first conductor 1d (first conductive member); and a loop 1a (second conductive member) electrically coupled to the first conductor 1d wherein the loop 1a forms a segment that has an approximate shape of an arc when viewed along a direction of extension of the first conductor 1d. The solenoid array coil further comprises a second conductor 1c (third conductive member), which is positioned approximately parallel to the first conductor 1d, and which is electrically coupled to the loop. The first conductor 1d is capable of receiving an electrical current (i), wherein the loop 1a is adapted to passing the electrical current (i) there through, and the electrical current exits through the second conductor 1c. The first conductor allows the current to flow in a first direction while the second conductor allows the current to flow in a second direction opposite the first direction. The loop 1a is perpendicular to the first conductor, which examiner considers to be also offset from the first conductor 1d. (Column 6; lines

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38-67) The first conductor and the second conductor are disposed parallel to each other and therefore are also coaxial to each other.



Su et al disclose in figure 13 a control unit 90, which regulates the timing an application of the gradient magnetic fields and the transmission and reception of RF signal to RF coils 51 and 61. The NMR signal output form RF receiving unit 60 is stored and subjected to Fourier transform analysis by a signal processing unit 70 to produce image information for displaying on display unit 80. Therefore, the coils are capable of being control by a computer (Column 12;lines 10-53)

Allowable Subject Matter

Claims 6, 12 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: with regards to claims 6, 12 and 18, the prior art of record does not disclose or

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fairly teach a switch configured to dynamically control the offset between the first and second conductive members.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly E. Glenn whose telephone number is (571)-272-1761. The examiner can normally be reached on Monday-Friday 7:30 to 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571)-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BENNY T. LEE PRIMARY EXAMINER ART UNIT 2817 Kimberly E Glenn Examiner Art Unit 2817

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